

1. Approving Civil Aviation Authority/Country: FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: **W1498**



4. Organization Name and Address:  
 Consolidated Turbine Specialists LLC  
 24323 S. 385th W. Ave.  
 Bristow, OK 74010  
 Repair Station Number: 6CUR212C

5. Work Order/Contract/Invoice Number: **W1498**

| 6. Item: | 7. Description:             | 8. Part Number: | 9. Quantity: | 10. Serial Number: | 11. Status/Work: |
|----------|-----------------------------|-----------------|--------------|--------------------|------------------|
| 1.       | Combining Gearbox (PT6T-3D) | 3117180-01      | 1            | CP-GB Tj0172       | Overhauled       |

12. Remarks:  
 Overhauled and Tested Combining Gearbox.  
 No FAA or Canadian AD'S are associated with these parts.  
 All work accomplished IAW P&W OHM P/N 3040593 Rev. 25 / P&W MM P/N 3040592 Rev. 32.  
 This Engine has been purged, preserved and prepared for storage.  
 Combining Gearbox TSN: 4,841.0 TSO: 0.0

13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 12.

14a.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

|                               |                                  |                               |                                |
|-------------------------------|----------------------------------|-------------------------------|--------------------------------|
| 13b. Authorized Signature:    | 13c. Approval/Authorization No.: | 14b. Authorized Signature:    | 14c. Approval/Certificate No.: |
| <i>Trenton Whitehouse</i>     |                                  | <i>Trenton Whitehouse</i>     | 6CUR212C                       |
| 13d. Name (Typed or Printed): | 13e. Date (dd/mm/yyyy):          | 14d. Name (Typed or Printed): | 14e. Date (dd/mm/yyyy):        |
| Trenton Whitehouse            | 25/Sep/2017                      | Trenton Whitehouse            | 25/Sep/2017                    |

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  
 Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.  
 Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

# Consolidated Turbine Specialist LLC

P.O. Box 596

Bristow, OK 74010

Phone: 918-367-9665



## FAA Repair Station # 6CUR212C

|             |              |             |            |
|-------------|--------------|-------------|------------|
| Model:      | S/N:         | Work Order: | Condition: |
| PT6T-3D RGB | CP-GB TJ0172 | W1498       | Overhaul   |

|              |         |              |     |
|--------------|---------|--------------|-----|
| Gearbox TSN: | 4,841.0 | Gearbox TSO: | 0.0 |
|--------------|---------|--------------|-----|

### Maintenance Release

Work Accomplished:

Overhauled and Tested Combining Gearbox.  
 No FAA or Canadian AD'S are associated with these parts.  
 All work accomplished IAW P&W OHM P/N 3040593 Rev. 25/P&W MM P/N 3040592 Rev. 32.  
 This Engine has been purged, preserved and prepared for storage.

This Unit listed above has been Overhauled/Inspected /Repaired/Tested in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under the work order number listed above.

### Test Performance Results

| Torque Transducer Settings |      |                       |      |
|----------------------------|------|-----------------------|------|
| L.H. Valves Addit.         | D    | R.H. Valves Addit.    | B    |
| Bell ALPHA                 | 88.8 | Bell ALPHA            | 87.4 |
| Valves on Transmitter      | 4 ON | Valves on Transmitter | 2 ON |

| Torquemeter Index    |      |                      |      |
|----------------------|------|----------------------|------|
| Index                |      | Index                |      |
| Zero Increment Adj.  | -2.1 | Zero Increment Adj.  | -0.5 |
| Span Ratio           | 8.2  | Span Ratio           | 2.2  |
| Sikorsky Indexed 70% | 72.4 | Sikorsky Indexed 70% | 70.7 |
| Sikorsky Indexed 80% | 81.9 | Sikorsky Indexed 80% | 80.5 |

|                             |                 |      |      |
|-----------------------------|-----------------|------|------|
| A.D's C/W and/or Verified:  | None Applicable |      |      |
| S.B.'s C/W and/or Verified: | 5003R44         | 5127 | 5185 |
| 5186                        | 5319            | 5327 | 5350 |
| 5387                        | 5392            | 5396 | 5403 |
| 5405                        | 5414            | 5421 |      |

### Accessories Installed This Visit

| Nomenclature        | P/N        | S/N | TSO | Remarks    |
|---------------------|------------|-----|-----|------------|
| Torque Control Unit |            |     |     | Ship Short |
| Governor            |            |     |     | Ship Short |
| Governor            |            |     |     | Ship Short |
| 3 Ea. Oil Filters   | 3034508WFC | N/A | N/A | NEW        |

|                    |            |           |
|--------------------|------------|-----------|
| Inspector:         | Signature: | Date:     |
| Trenton Whitehouse |            | 9/25/2017 |